

CATALOG No. 59

Kane

Custom Built
since 1890

insect screens and doors
steel, bronze and extruded aluminum

custom built screens
porch enclosures
projected screens
screen doors
hardware
guards
detention screens
institutional screens
industrial screens
light-proof shades

KANE MANUFACTURING CORPORATION
KANE, PENNSYLVANIA



since 1890

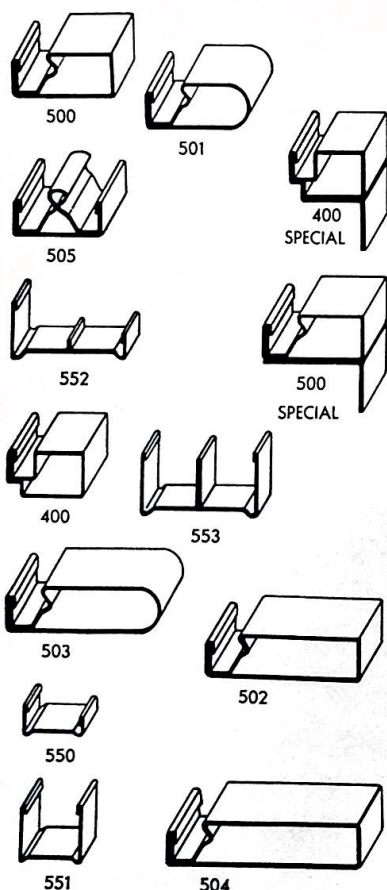
Kane quality

The Kane Manufacturing Corporation was founded in 1890 to manufacture custom grade screens, doors, and storm sash. Continuous operation has been maintained since that time with the result that special engineering know-how and manufacturing equipment are available in our well equipped factory to meet the requirements of any "screening" job. Competent engineers, utilizing a reference file of proven engineering data, stand ready to recommend the application of Kane Screens.

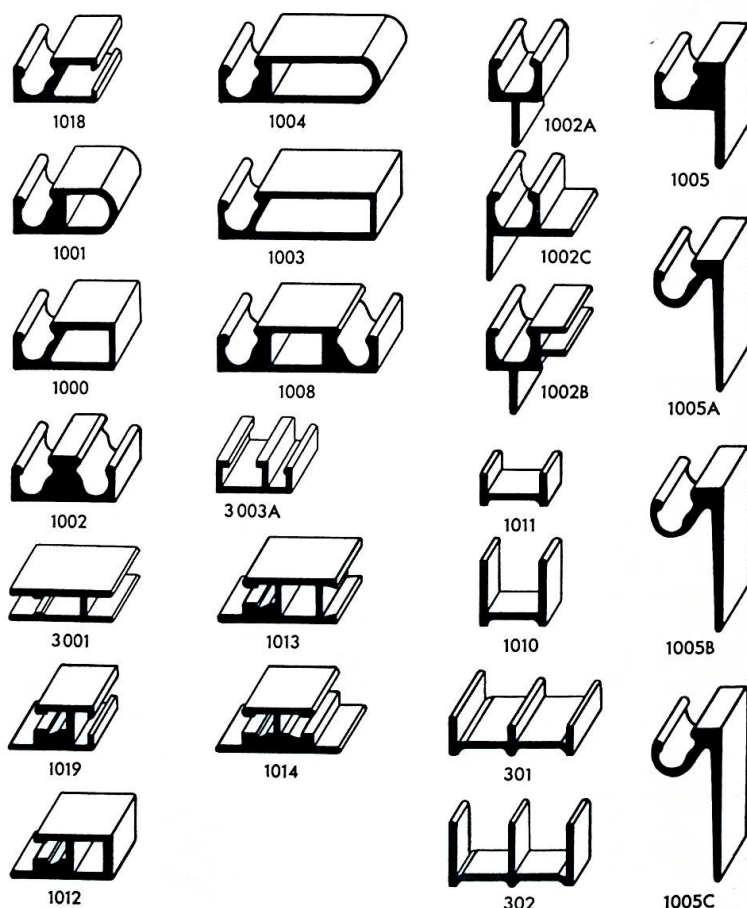
All products manufactured by KANE are available in extruded aluminum, roll formed steel, or roll formed bronze. Only the best commercial grades of raw materials are used and the highest standard of workmanship employed.

Send your preliminary window or screen details to KANE and our engineering department will offer their recommendations without any obligation.

roll formed steel (also available in bronze)



extruded aluminum



DETAILS HALF SIZE

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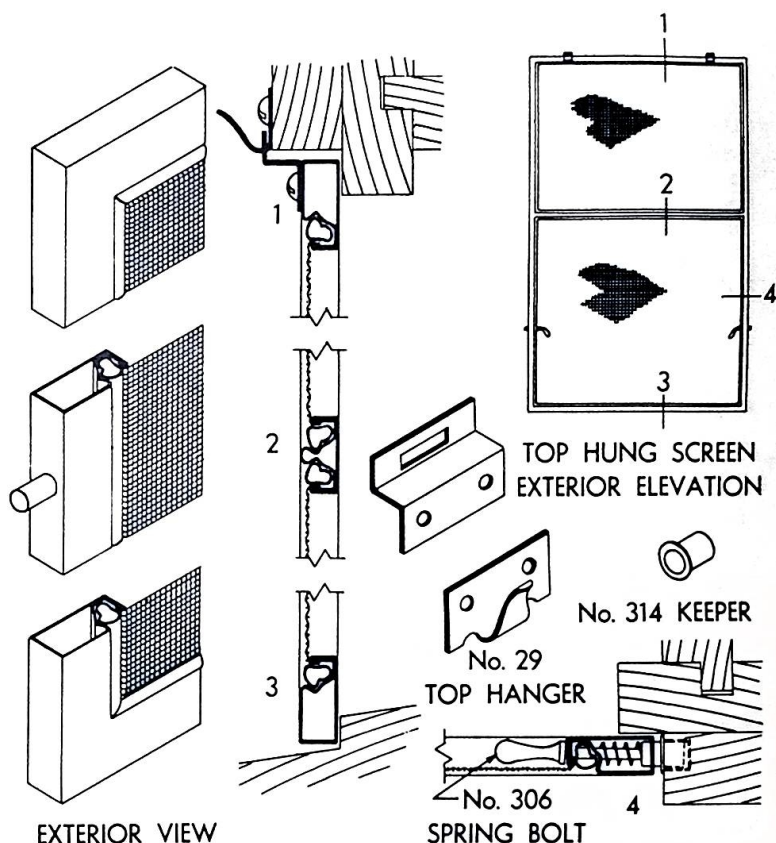
Standard Sections	
Roll formed steel and bronze	
Extruded Aluminum	
Full Length Screens	
Sliding Screens	
Porch Enclosures	
Projected Window Screens	

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full length screens

top hung

This type of screen is widely used for hospitals, commercial buildings, or institutions where both the upper and lower sash of the double hung window are frequently opened for ventilation. Positive insect protection is assured, yet window washing is made possible through the use of hold open arms. Unauthorized opening of the screens can be prevented by substituting concealed bolts in lieu of spring bolts. These bolts (Kane No. 100) are operated by means of special keys. A variety of hardware is available that makes installation on any type of metal or wood window practical. Frames may be $\frac{3}{8}$ " x 1" or $1\frac{1}{2}$ "; steel, bronze, or extruded aluminum.

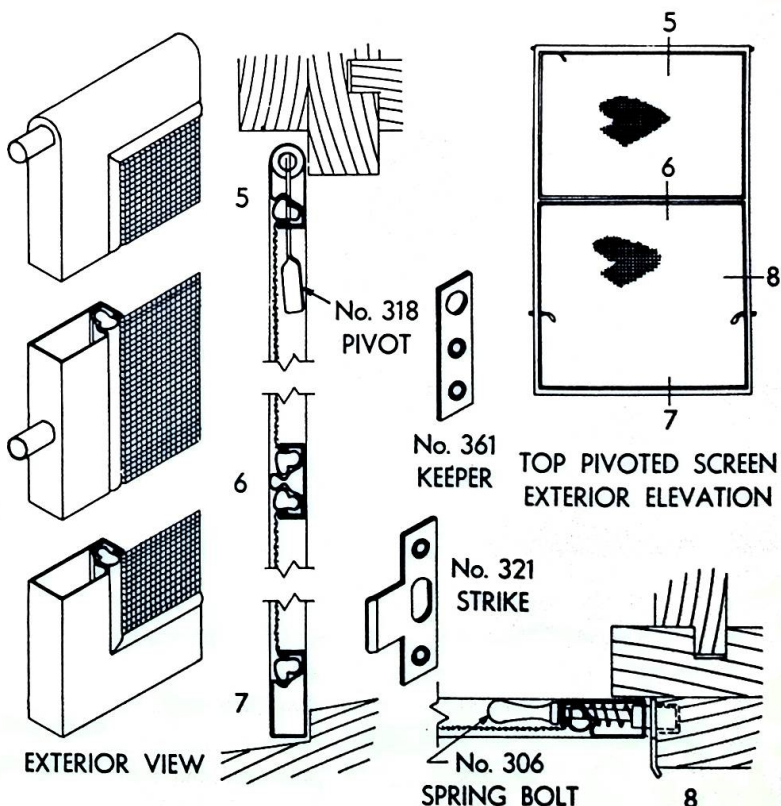


top pivoted

Top Pivoted Screens are generally recommended for use on wood double hung windows, however, they are frequently employed on metal windows due to their ease of installation. The attachment of top hanger brackets on the exterior of windows is sometimes difficult due to the fact that no exterior scaffolding is permitted. In these cases, the installation can be accomplished simply by lowering the top sash.

The same variety of hardware obtainable for the Top Hung Screens can be used with the Top Pivoted Screens.

Consult the specifications on page No. 12 for recommended sections and materials.

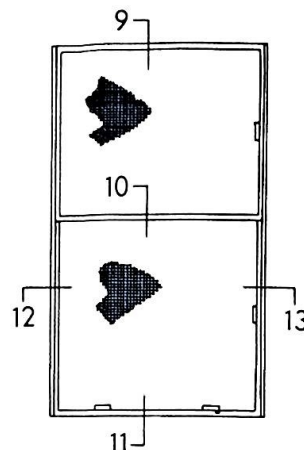


twin vertical

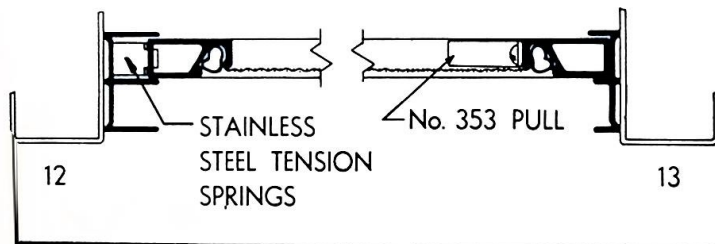
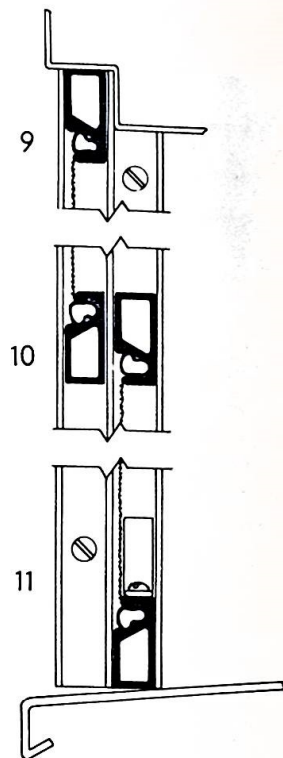
These screens were designed for installation on Double Hung Windows of wood or metal. They are extensively used on homes or institutions where both the lower and upper sash are opened for ventilating purposes. The protection of a full length screen is achieved with the convenience of a sliding screen.

The greatest advantage of this type is that installation can be accomplished from inside the building without any exterior scaffolding. Window washing is possible without the problem of removing the screens, and installation may be made on either the inside or outside of the window. Locking bolts to prevent unauthorized opening of the screens may be installed.

Available in extruded aluminum, bronze, or steel. Consult the specifications on page No. 12 for suggested materials.



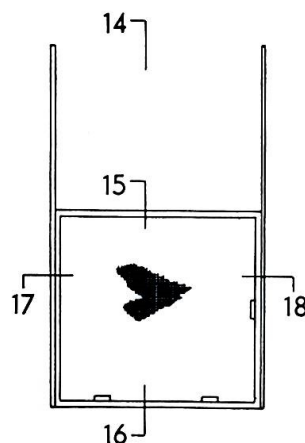
TWIN VERTICAL
SLIDING SCREENS
EXTERIOR ELEVATION



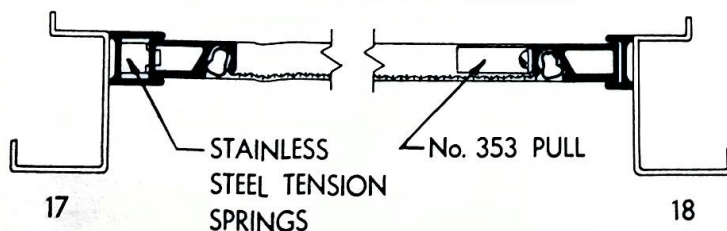
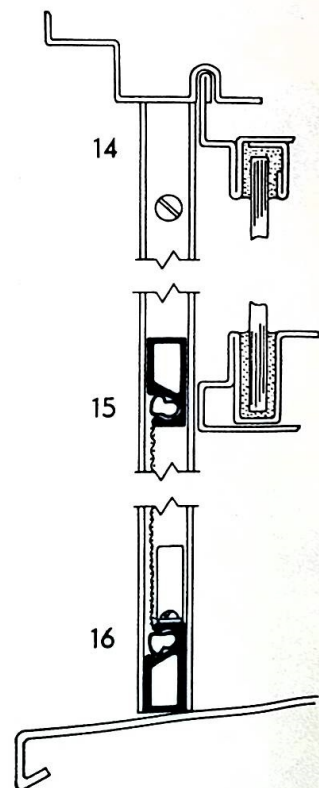
half sliding

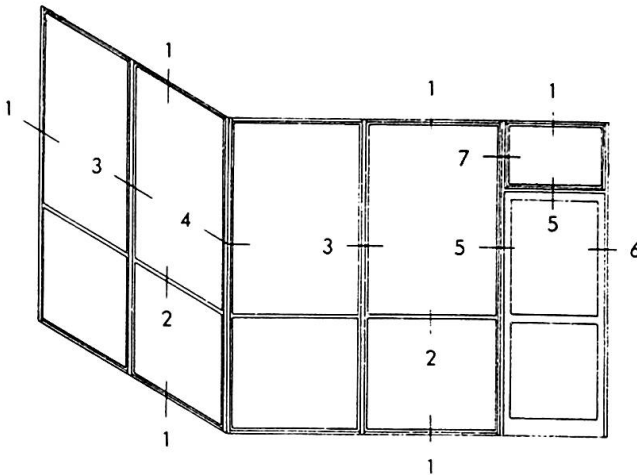
Economical insect protection is obtained through the use of half sliding screens. It is unnecessary to remove the screens for window washing purposes as full length guides are furnished that enable the screen to be raised to provide access to the outside of the window. If ventilation is desired through the upper sash then the screen can be left in a raised position to cover that portion of the window.

Screens can be removed for storage purposes by compressing the tension springs and slipping the screens from the guides. Duplicate number tags are furnished for each screen and its opening to assure reinstallation in the proper location.



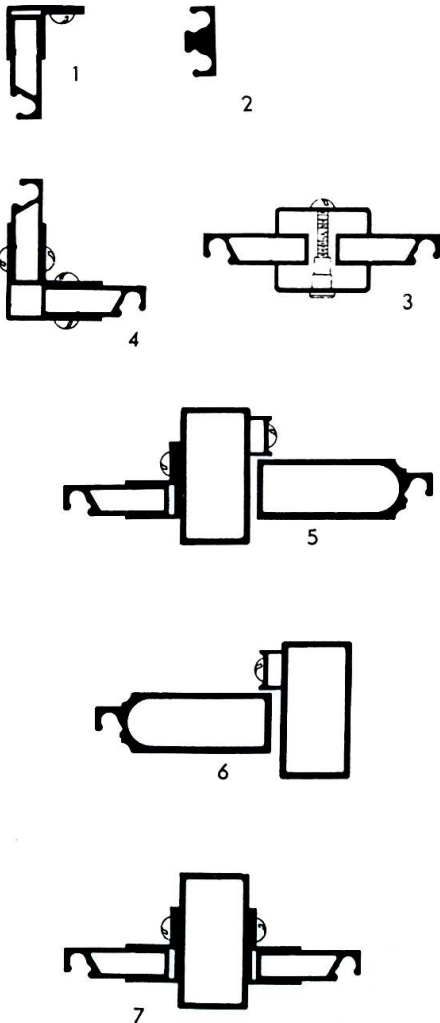
SINGLE VERTICAL
SLIDING SCREEN
EXTERIOR ELEVATION



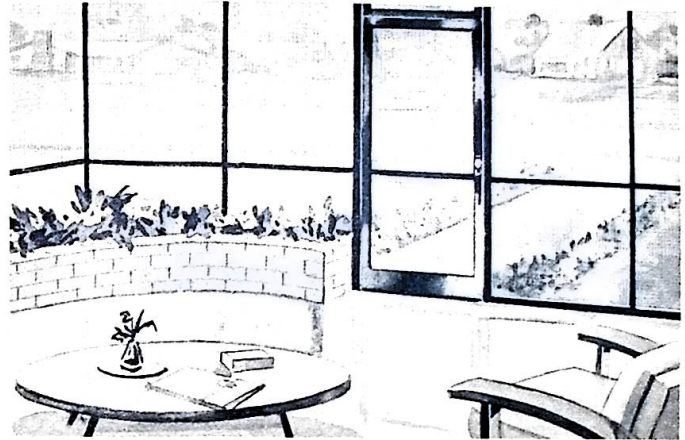


typical exterior elevation

extruded aluminum shown (steel and bronze sections similar)



DETAILS HALF SIZE



Bronze porch enclosure permanently installed as frames will never rust.

extruded aluminum

Extruded aluminum porch screens are strong, light weight, well constructed units requiring practically no maintenance. Narrow lines enable the construction to be blended with the building architectural lines. Rewireable frames, which are joined at the corners by electric flash welding, will not deteriorate if left installed the year around. Extruded aluminum tubing welded at intersections provide neat yet sturdy hanging frames for doors.

Shade screening may be installed to insure privacy or shield the porch from direct sunlight.

steel or bronze

Kane's standard porch enclosures of steel and bronze have been successfully specified and used for many years by prominent architects. Roll formed shapes provide sturdy framing for bronze, aluminum, fiberglass or Kaiser Shade Cloth yet have sufficient strength to permit large brace-free openings. Braces when required are located in alignment with door cross rails and placed as not to obstruct the view.

A complete assortment of standard porch hanging stiles and fitting pieces are available for screening any enclosure.

See pages 7 and 9 for suggested door designs and guard details.

hospitals and institutions

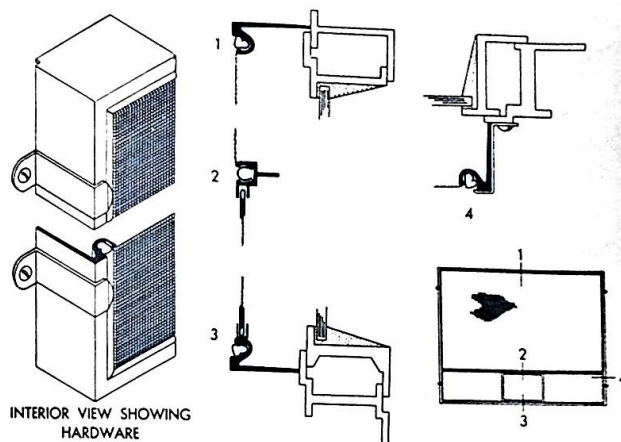
Bronze frame screens or heavy weight steel formed shapes are recommended for hospital or institution enclosures. We have made a specialty of designing porch screens and fittings for institutional work throughout the world. Extra heavy mesh wire or hardware cloth can be installed to prevent destruction of the insect mesh.

Consult our engineering department for their recommendations.

extruded aluminum projected window screens

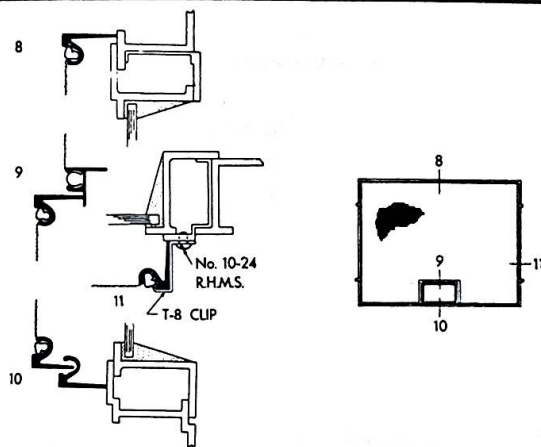
sliding wicket type

Extrusions No. 1005-A and C were developed to meet the screening requirements of aluminum projected windows. Any combination of these extrusions may be used to provide clearances for operating the current types of windows being manufactured. Sliding wickets are the most economical type to manufacture, yet embody the advantage of convenient operation and low maintenance. Roller shades, venetian blinds, or draperies may be used without interference.



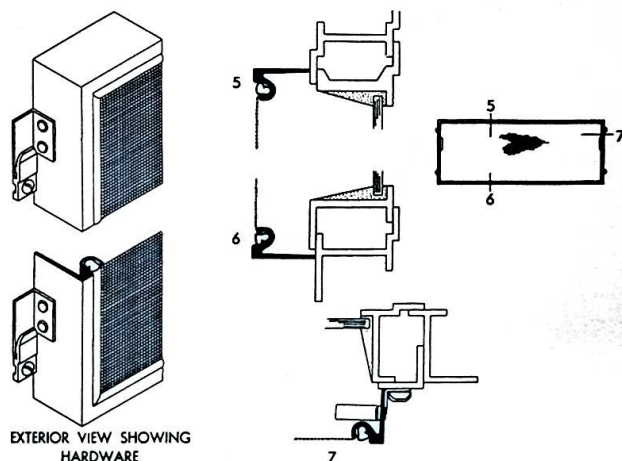
hinged wicket type

Side or top hinged wickets are recommended for use on projected windows that have a hardware projection of $1\frac{3}{8}$ " or more. Screen frame and wicket frame are manufactured from one piece extrusion Section No. 1005-A, or C to provide the clearance necessary. Corners are notched and bent to make a continuous frame and the ends securely riveted to a gusset plate. Built in spring hinges assure positive operation of the wicket which is mounted on an extruded sub-frame.



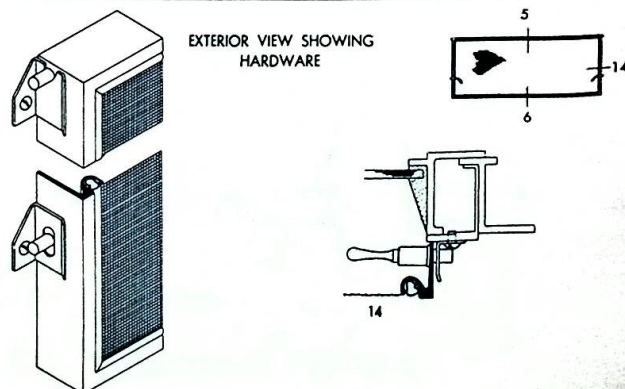
slip-in hopper

The Slip-In type of hopper screens is more readily adaptable to steel or aluminum windows that have existing holes provided for hardware attachment. Location of clips can be altered to meet any drilling. Positive installation is assured as the four clips on the screen engage the extruded aluminum clips on the window. No. 353 aluminum handles are riveted to the screen frame for ease of handling. Our engineering department will gladly design special hardware to enable our standard screen to be attached to any window.

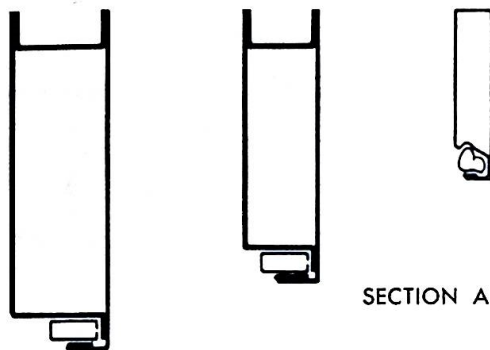


pivoted hopper

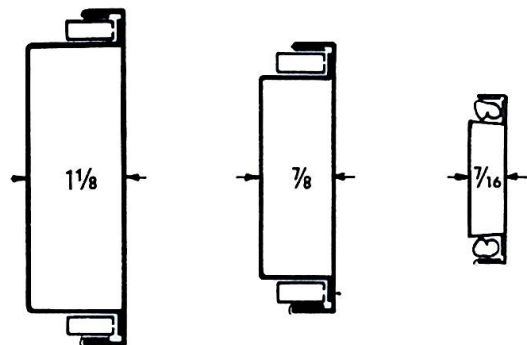
Fixed pivots at the top of screen and spring bolts near the bottom permit the screen to be opened and removed from inside the building. Window washing of the vent above and below the hopper is possible from the inside without removing the screen. Standard window drilling accepts a variety of attaching hardware.



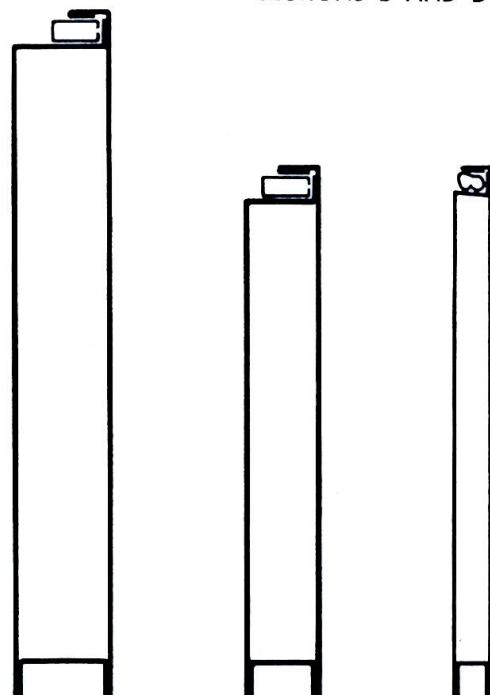
Screens available in extruded aluminum only.



SECTION A



SECTIONS B AND D



SECTION C



light weight

$\frac{3}{16}$ " x 1": Designed, principally, for residential use where moderate service is encountered. Sturdy construction and narrow lines make them desirable for porch enclosure or casement door use.

medium weight

$\frac{7}{8}$ " x 3": All sections formed from 18 gauge steel or bronze. Designed for residential and industrial application for above average usage.

heavy weight

1 $\frac{1}{8}$ " x 3 $\frac{3}{4}$ ": Recommended for stores, offices, or industrial buildings where maximum traffic is anticipated. Similar in design to medium weight doors.

finishes

Steel doors bonderized and painted one coat of shop primer and two or more coats of air dry lacquer. Bronze doors can be had in natural, antique, or satin finish. Steel doors are assembled by arc welding; bronze doors internally reinforced and soldered.

types and sizes

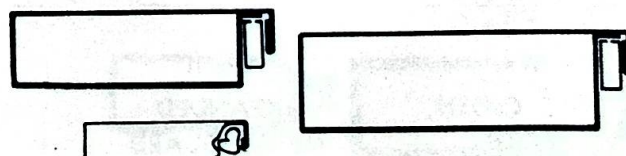
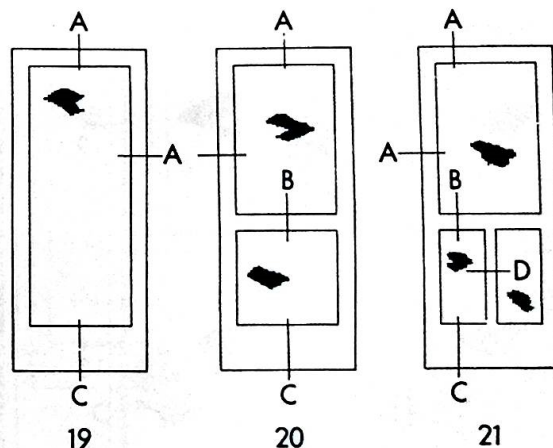
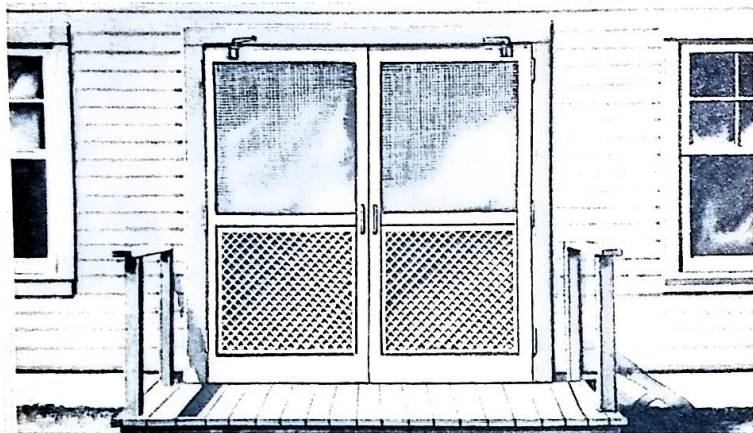


TABLE OF WIDTHS OF STILES AND RAILS				
THICKNESS	A	B	C	D
$\frac{7}{16}$	1 $\frac{7}{8}$	1 $\frac{7}{8}$	6 OR 8	1
$\frac{7}{8}$	3	3	4 OR 6	2 $\frac{1}{4}$
1 $\frac{1}{8}$	3 $\frac{3}{4}$	3 $\frac{3}{4}$	7 $\frac{3}{4}$ OR 11	2 $\frac{3}{4}$

screen doors

industrial



The above picture shows our industrial Screen Doors applied to a barracks entrance. This installation typifies the durability of the Industrial Door which was designed to withstand severe usage such as that encountered on schools or industrial buildings.

Frames are of heavy weight construction roll formed from .078" steel with corners joined by electric welding.

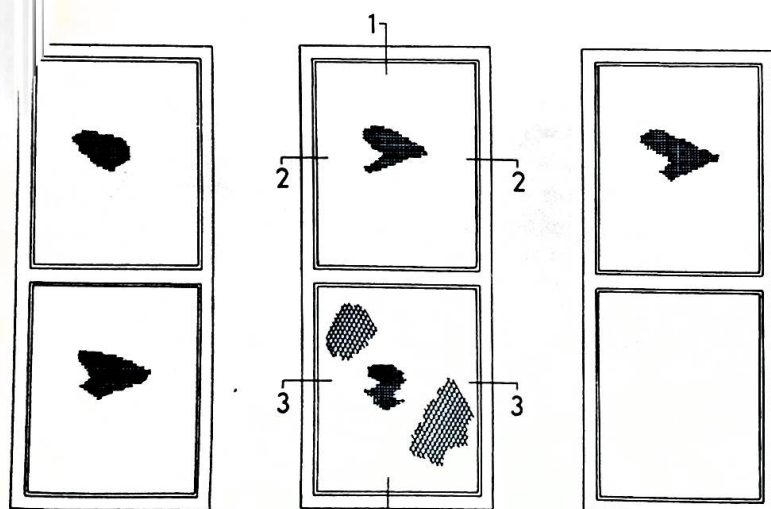
Hardware reinforcements and cutouts are provided for builders hardware or we can furnish our standard screen door equipment.

We recommend expanded steel guards welded to the bottom panel for maximum protection.

The Industrial Door is also available as a combination door by using interchangeable glass panels.

We suggest that you send preliminary details to our engineering department for their recommendations.

AVAILABLE IN STEEL ONLY.



TYPE I

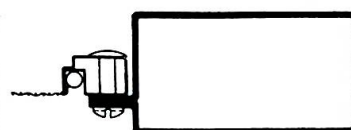
WIRE CLOTH
BOTH
PANELS

TYPE II

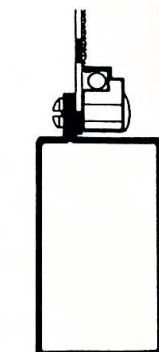
EXPANDED
METAL GUARD
BOTTOM PANEL

TYPE III

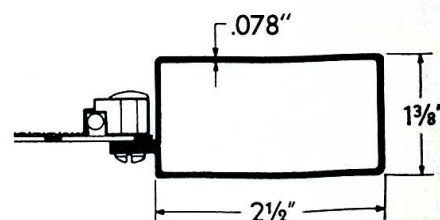
SOLID
METAL
BOTTOM PANEL



SECTION 2

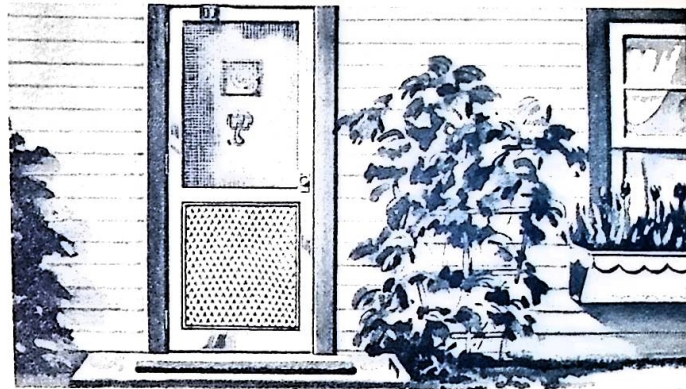


SECTION 1-1



SECTION 3

extruded aluminum shown (steel and bronze sections similar)

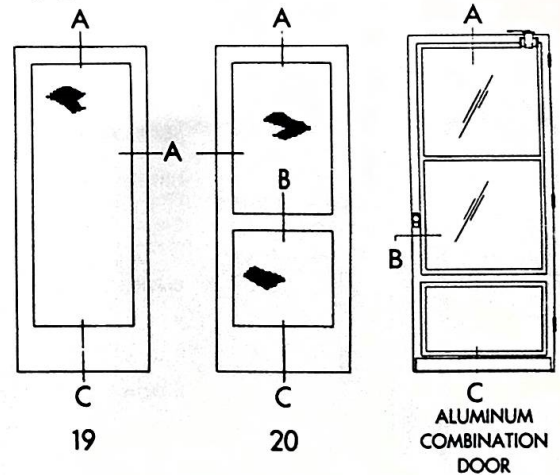


Extruded Aluminum Screen Doors

Kane Extruded Aluminum Screen Doors are manufactured in two classes: Medium ($\frac{7}{8}$ " x $2\frac{1}{2}$ "") and Heavy ($1\frac{1}{8}$ " x $3\frac{1}{2}$ ""). Aluminum Alloy 60-63-T5 is used in extruding the sections which are joined at the corners by welding. Wire cloth groove is integral with the door frame and supports the 14 x 18 mesh .0126" Alclad Aluminum mesh. Splines is 1583G solid plastic or roll formed aluminum. Standard hardware consists of 1 $\frac{1}{2}$ pairs of solid brass butts, brass latch and liquid door check. Door check and latch are omitted on the inactive leaf of pairs and surface bolts substituted. Hardware, except check, is dull chrome plated. Standard No. 12 guards ($1\frac{1}{2}$ " mesh woven from Round Edge Flat Aluminum Wire $\frac{3}{16}$ " wide x .062" thick) may be installed in lower panel of doors.

Combination doors are made from the same basic extrusions as are the screen doors. Hardware and construction details are the same.

types and sizes



C
ALUMINUM
COMBINATION
DOOR



SECT. A

SECT. B & D

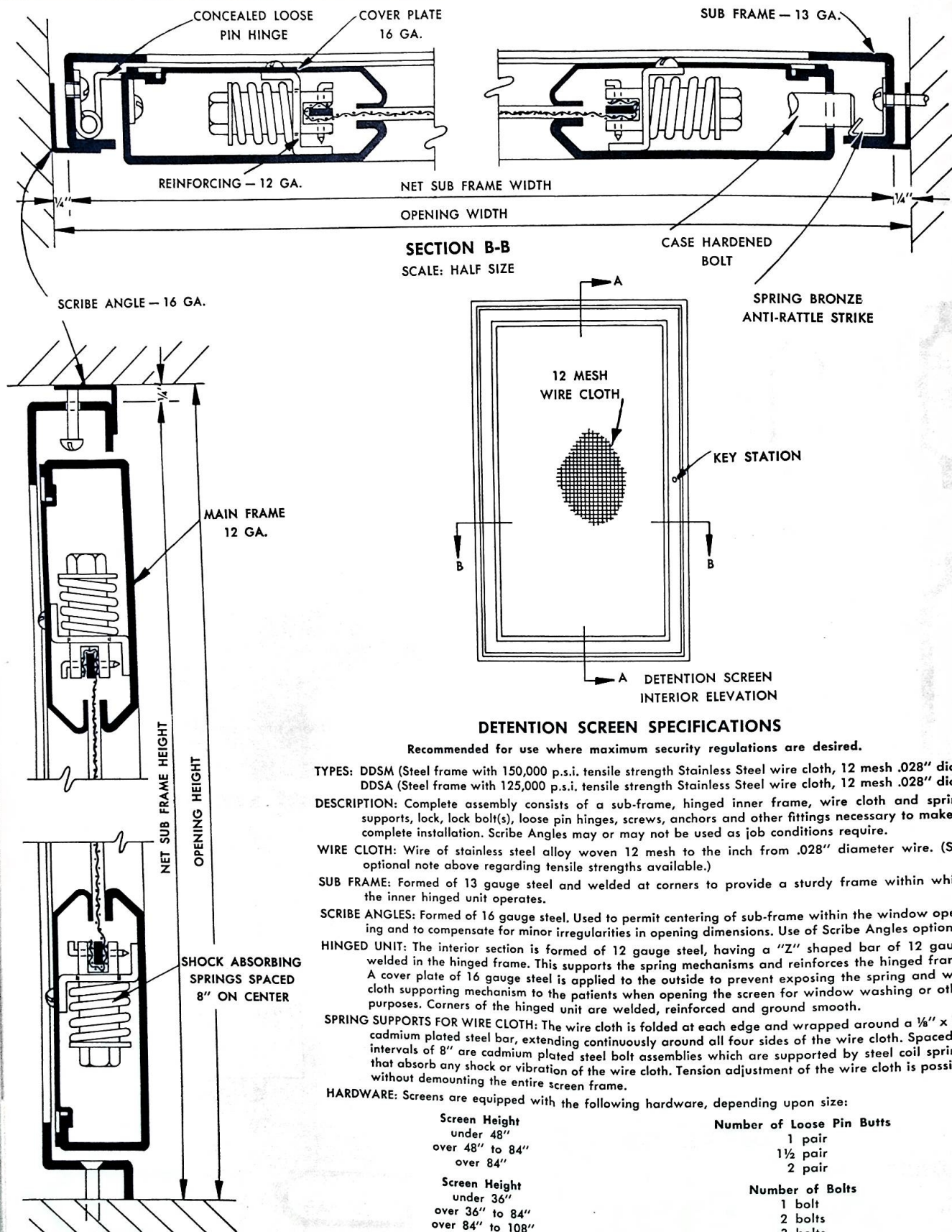
NOTE: Combination Door shown in medium weight $\frac{7}{8}$ ". Also available in heavy weight material.

SECT. C

TABLE OF WIDTHS OF STILES AND RAILS

THICKNESS	A	B	C	D
$\frac{7}{8}$	$2\frac{1}{2}$	$2\frac{1}{2}$	4 TO 6	$2\frac{1}{2}$
$1\frac{1}{8}$	$3\frac{1}{2}$	3	7 TO 12	$3\frac{1}{2}$

detention screens



DETENTION SCREEN SPECIFICATIONS

Recommended for use where maximum security regulations are desired.

TYPES: DDSM (Steel frame with 150,000 p.s.i. tensile strength Stainless Steel wire cloth, 12 mesh .028" dia.)
 DDSA (Steel frame with 125,000 p.s.i. tensile strength Stainless Steel wire cloth, 12 mesh .028" dia.)

DESCRIPTION: Complete assembly consists of a sub-frame, hinged inner frame, wire cloth and spring supports, lock, lock bolt(s), loose pin hinges, screws, anchors and other fittings necessary to make a complete installation. Scribe Angles may or may not be used as job conditions require.

WIRE CLOTH: Wire of stainless steel alloy woven 12 mesh to the inch from .028" diameter wire. (See optional note above regarding tensile strengths available.)

SUB FRAME: Formed of 13 gauge steel and welded at corners to provide a sturdy frame within which the inner hinged unit operates.

SCRIBE ANGLES: Formed of 16 gauge steel. Used to permit centering of sub-frame within the window opening and to compensate for minor irregularities in opening dimensions. Use of Scribe Angles optional.

HINGED UNIT: The interior section is formed of 12 gauge steel, having a "Z" shaped bar of 12 gauge welded in the hinged frame. This supports the spring mechanisms and reinforces the hinged frame. A cover plate of 16 gauge steel is applied to the outside to prevent exposing the spring and wire cloth supporting mechanism to the patients when opening the screen for window washing or other purposes. Corners of the hinged unit are welded, reinforced and ground smooth.

SPRING SUPPORTS FOR WIRE CLOTH: The wire cloth is folded at each edge and wrapped around a 1/8" x 3/8" cadmium plated steel bar, extending continuously around all four sides of the wire cloth. Spaced at intervals of 8" are cadmium plated steel bolt assemblies which are supported by steel coil springs that absorb any shock or vibration of the wire cloth. Tension adjustment of the wire cloth is possible without demounting the entire screen frame.

HARDWARE: Screens are equipped with the following hardware, depending upon size:

Screen Height
 under 48"
 over 48" to 84"
 over 84"

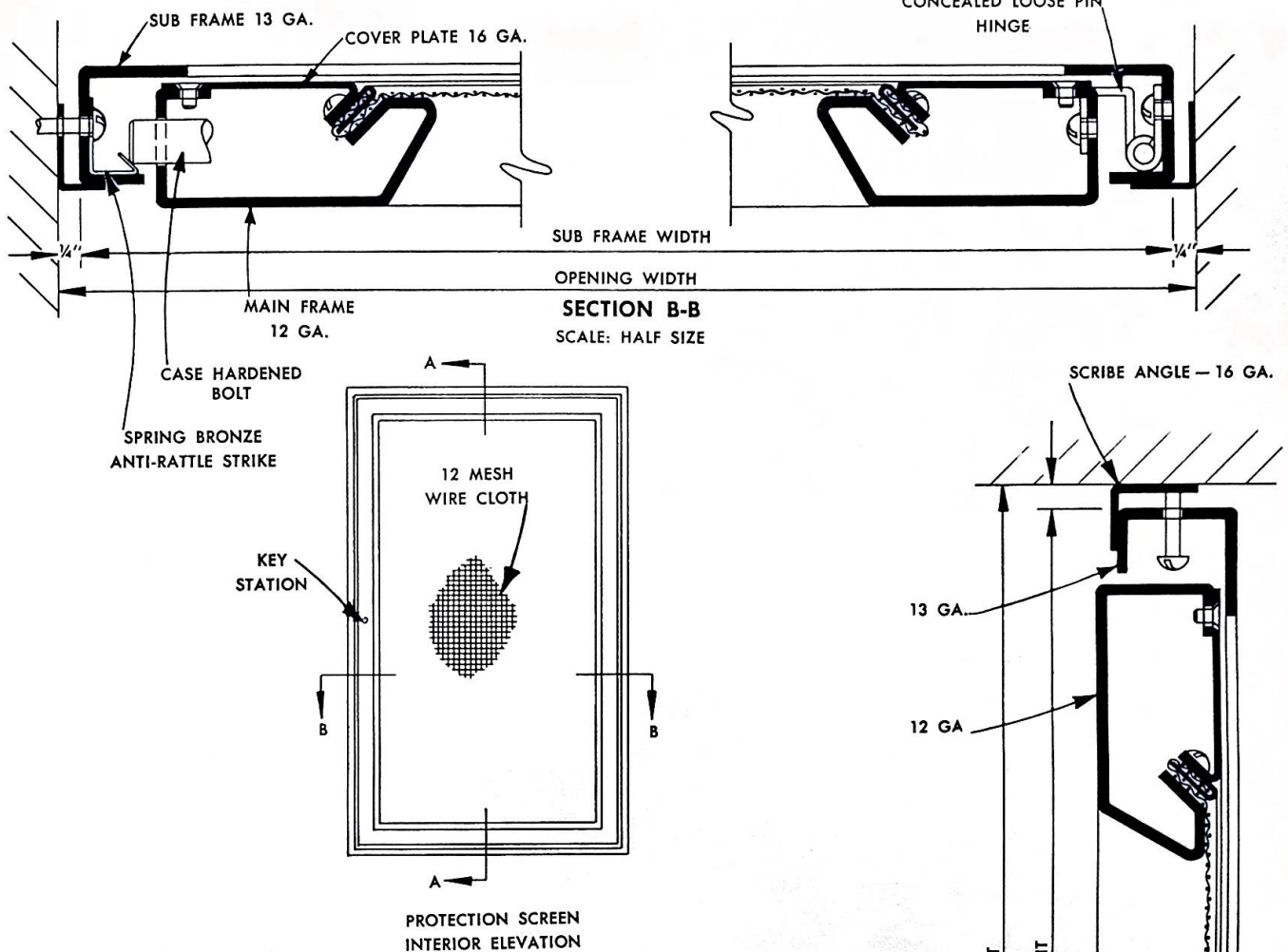
Screen Height
 under 36"
 over 36" to 84"
 over 84" to 108"

Number of Loose Pin Butts
 1 pair
 1 1/2 pair
 2 pair

Number of Bolts
 1 bolt
 2 bolts
 3 bolts

Hinges are cadmium plated steel with brass loose pins.
 Locks consist of case hardened steel bolts with key station. Operation is by means of special keys.

FINISH: All steel is bonderized after manufacture and painted with one coat of gray primer. Finish coats of enamel in selected colors available.
 Full size tracing details available on request.



PROTECTION SCREEN SPECIFICATIONS

Recommended for use where less than maximum security regulations are desired.

TYPES: PSM (Steel frame with 150,000 p.s.i. tensile strength Stainless Steel wire cloth, 12 mesh .028" dia.)

PSA (Steel frame with 125,000 p.s.i. tensile strength Stainless Steel wire cloth, 12 mesh .028" dia.)

DESCRIPTION: Complete assembly consists of a sub-frame, hinged inner frame, wire cloth, lock, lock bolt(s), loose pin hinges, screws, anchors and other fittings necessary to make a complete installation.

WIRE CLOTH: Wire of stainless steel alloy woven 12 mesh to the inch from .028" diameter wire. (See optional note above regarding tensile strengths available.)

SUB FRAME: Formed of 13 gauge steel and welded at corners to provide a sturdy frame within which the inner hinged unit operates.

SCRIBE ANGLES: Formed of 16 gauge steel. Used to permit centering of sub-frame within the window opening and to compensate for minor irregularities in opening dimensions. Use of Scribe Angles optional.

HINGED UNIT: The interior section is formed of 12 gauge steel which supports the wire cloth and rear cover plate. Corners are welded and ground smooth to produce invisible joints. Wire cloth is formed to fit within a supporting channel of 18 gauge stainless steel, which is then flattened to provide a continuous banding around all sides of the wire cloth. Attaching screws are accessible through the rear cover to insure constant tension on the wire cloth.

HARDWARE: Screens are equipped with the following hardware, depending upon size:

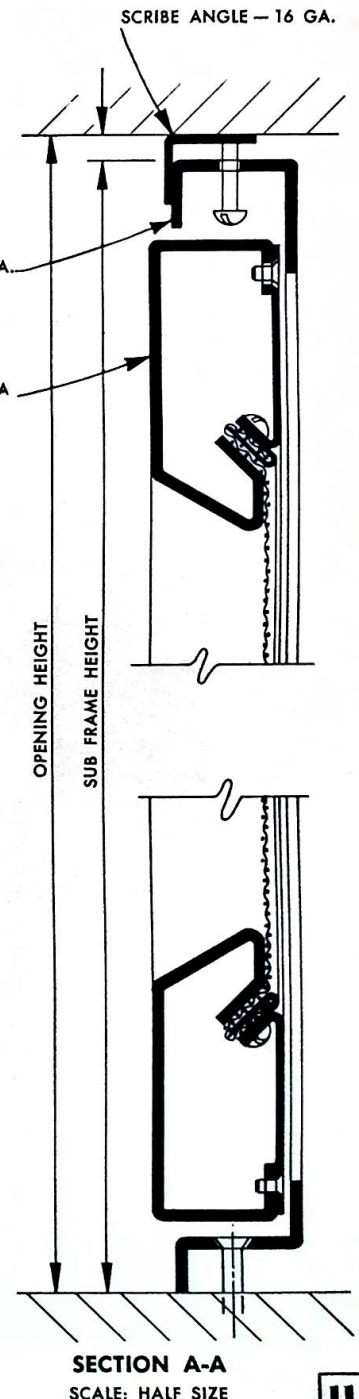
Screen Height	Number of Loose Pin Butts
under 48"	1 pair
over 48" to 84"	1½ pair
over 84" to 108"	2 pair
Screen Height	Number of Locking Bolts
under 36"	1 bolt
over 36" to 84"	2 bolts
over 84" to 108"	3 bolts

Hinges are cadmium plated steel with brass loose pins.

Locks consist of case hardened steel bolts with key station. Operation is by means of special keys.

FINISH: All steel is bonderized after manufacture and painted with one coat of gray primer. Finish coats of enamel in selected colors available.

Full size tracing details available on request.



screen specifications

STEEL

Screen Stiling: Roll formed from electro-galvanized steel. Corners flash welded and dressed smooth. Bond-erized and primed one coat shop primer. Finished two coats of air dry lacquer in selected color.

Spline: Extruded plastic #1583-B or roll formed .015" electro-galvanized steel. Splines are removable to permit replacement of wire cloth in case of damage.

Channel guides: Roll formed from .022" electro-galvanized steel and finished same as frames.

Wire Cloth: 14 x 18 mesh .0113" antique bronze.

BRONZE

Screen Stiling: Roll formed from commercial bronze with corners internally reinforced and soldered. Finished in natural bronze and waxed. Satin or antique finish also available.

Spline: Extruded plastic #1583-B or roll formed .018" commercial bronze. Splines are removable to permit replacement of wire cloth in case of damage.

Channel Guides: Roll formed from .022" commercial bronze and finished same as frames.

Wire Cloth: 14 x 18 mesh .0113" antique bronze.

ALUMINUM

Screen Stiling: Extruded from 60-63-T5 aluminum. Corners flash welded and dressed smooth. Finish in natural aluminum. Satin, laybelt, caustic etch, or alumilite finishes available at extra cost.

Spline: Extruded plastic #1583-G or roll formed .022" aluminum. Splines are removable to permit replacement of wire cloth in case of damage.

Channel Guides: Extruded from 60-63-T5 aluminum and finished same as frames.

Wire Cloth: 14 x 18 mesh .0126" alclad aluminum.

STEEL, BRONZE AND ALUMINUM SCREEN SECTIONS

$\frac{3}{16}$ " x 1" x .028" Steel (No. 500 and 501)

$\frac{3}{16}$ " x 1" x .030" Bronze (No. 500 and 501)

$\frac{3}{16}$ " x 1" Extruded Aluminum (No. 1000 and 1001)

Recommended for screens up to 28 square feet. Rod Braces furnished in screens over 50" in width or height. Double Rewireable Braces suggested for screens over 36" in width and over 72" in height.

$\frac{3}{16}$ " x $1\frac{1}{2}$ " x .030" Steel (No. 502 and 503)

$\frac{3}{16}$ " x $1\frac{1}{2}$ " x .030" Bronze (No. 502 and 503)

$\frac{3}{16}$ " x $1\frac{1}{2}$ " Extruded Aluminum (No. 1003 and 1004)

Recommended for screens over 28 square feet. Rod Braces furnished in screens over 50" in width or height. Double Rewireable Brace suggested for screens over 48" in width and over 84" in height.

$\frac{3}{16}$ " x $1\frac{1}{8}$ " x .035" Steel (No. 504)

$\frac{3}{16}$ " x $1\frac{1}{8}$ " x .035" Bronze (No. 504)

Recommended for Porch Enclosures or side hinged screens. Rod Braces and Double Rewireable Braces provided where required.

Maximum Rod Brace Recommended — 42" long.

STANDARD SCREEN HARDWARE

Half Sliding Screens — Three screen lifts, two tension springs and full length single channel guides, No. 300.

Double Sliding Screens — Three screen lifts and two tension springs per screen. One pair double channel guides No. 301 full height of screen opening. Spring bolts in upper screen optional.

Full Length Screens — Pivoted screens equipped with two spring bolts and one fixed and one movable pivot. Keepers, strikes and screws included. Screens may be pivoted at top or side.

Top Hung Screens — Equipped with top hangers in lieu of pivots. Other hardware similar to pivoted.

Projected Window Screens — Interior screen equipped with sliding or hinged wicket and complete with four clips and machine screws for installation. Under screen push operated vent screens similar except wickets omitted. Baffles furnished for mechanical operators.

Exterior Screens — Two fixed pivots, two spring bolts, pivot brackets and spring bolt keepers. Slip-in type hardware may also be selected.

COMBINATION CASEMENT AND APARTMENT CASEMENT WINDOWS

Interior Screen provided with sliding or hinged wicket and suitable brackets for installation.

Exterior Screen — Similar to Projected window exterior screen described above.

Horizontally Pivoted Windows — Two screens, one outside and one inside complete with fitting pieces, spring bolts and screws for installation — or cage type, if preferred, is also available.

CONSULT OUR ENGINEERING DEPARTMENT FOR COMPLETE SPECIFICATIONS
AND RECOMMENDATIONS ON SPECIAL APPLICATIONS

uses

Kane Manufacturing Light Proof Shades are designed for heavy duty use where complete light exclusion is necessary. Typical applications are:

X-Ray Rooms	Classrooms
Laboratories	Photographic Dark Rooms
Operating Rooms	X-Ray Developing Rooms
Auditoriums	Fluoroscopic Examination Rooms
Lecture Halls	Psychiatric Examination Rooms

The recent trend towards visual education is now stressing darkening facilities for general school classrooms. The photographs on this page show typical applications of this type.

Our engineering department will be glad to recommend application of Kane Shades basing their suggestions on a reference file of proven installations.

general description

Each Light Proof Shade consists of a metal housing, spring roller mechanism, side guides, sill strip, bottom bar, concealed braces and cloth.

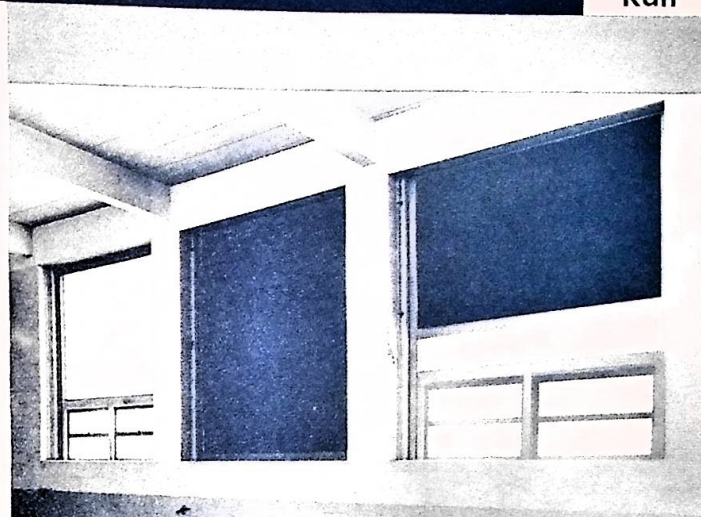
The metal parts are formed from .050" steel and where metal contacts the cloth the edges are fully rounded to prevent any unnecessary wear. Spring roller is not less than 1 1/4" diameter seamless steel tubing supported by a 3/8" steel rod and bronze bearings. The spring is heavy piano wire of a size designed to operate the shade and is carefully packed in non-running grease.

Braces are concealed in the cloth and any stitching is coated with special opaque dressing after fabrication. The cloth is absolutely opaque, non-inflammable and remains soft and pliable under ordinary atmospheric conditions. It is attached to the roller with cement and to the bottom bar by means of interlocking metal strips.

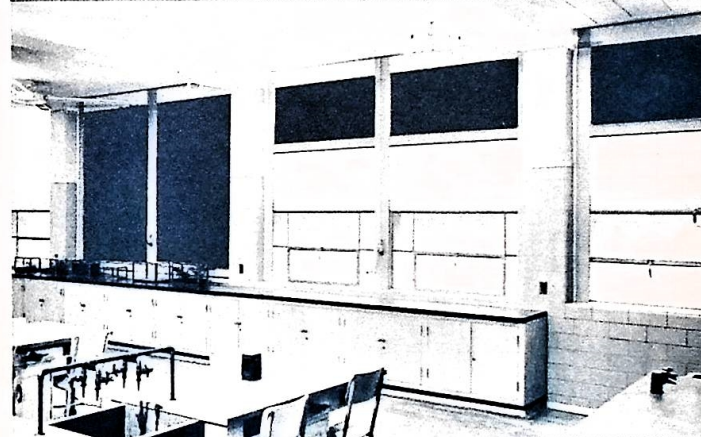
All metal parts are bonderized after fabrication and finished with a baked-on coat of primer. Standard color for the finish is dull black on interior surfaces and semi-gloss black on exposed surfaces. Cloth is black on inside and dark green on outside.

typical installations

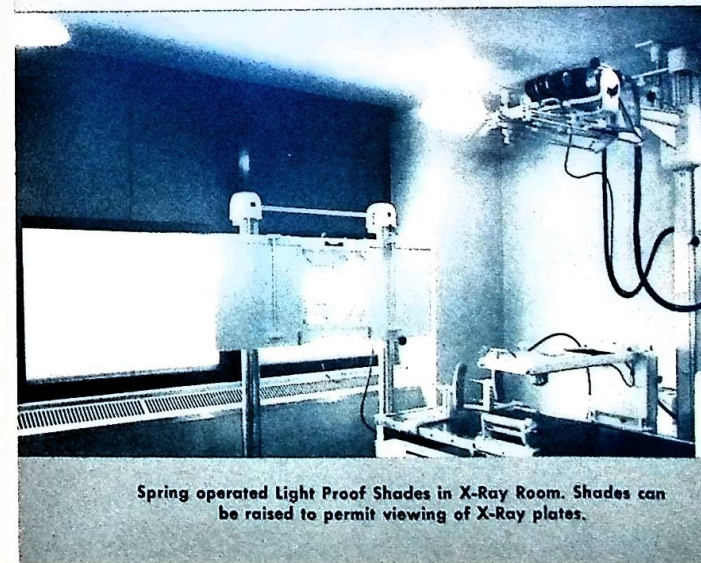
MONROE CATHOLIC HIGH SCHOOL	Monroe, Michigan
MacDOWELL SCHOOL	Detroit, Michigan
PETER VETAL SCHOOL	Detroit, Michigan
UNIVERSITY OF CINCINNATI	Cincinnati, Ohio
BUREAU OF ENGRAVING	Washington, D.C.
U. S. NAVAL HOSPITAL	Bethesda, Md.
CENTRO-MEDICO DE CARACAS	Caracas, Venezuela
NORWALK STATE HOSPITAL	Norwalk, Conn.
WYANDOTTE CHEMICAL CORP.	Detroit, Michigan
NATIONAL LITHOGRAPHIC CO.	Detroit, Michigan
HOME STREET SCHOOL	Warren, Pennsylvania
MILBY HIGH SCHOOL	Milby, Texas
MORRISANIA HOSPITAL	Bronx, N.Y.
DANBURY HOSPITAL	Danbury, Conn.
QUEEN'S GENERAL HOSPITAL	Jamaica, N.Y.
NAVAL AMMUNITION DEPOT	Asbury Park, N.J.
ENLISTED MEN'S BARRACKS	Camp Lee, Va.
NATIONAL GEOGRAPHIC SOCIETY	Washington, D.C.
BUREAU OF STANDARDS	Washington, D.C.
NAVAL ORDNANCE LABORATORY	White Oak, Mo.
MARINE AIR INFANTRY SCHOOL	Quantico, Va.
WHITE SANDS TESTING GROUNDS	White Sands, N. Mexico



Mechanically operated Light Proof Shades in auditorium. Shade boxes are concealed in the ceiling.



Science Room installation of gear operated shades over glass block windows. Shades can completely darken the room for showing motion pictures or scientific experiments.

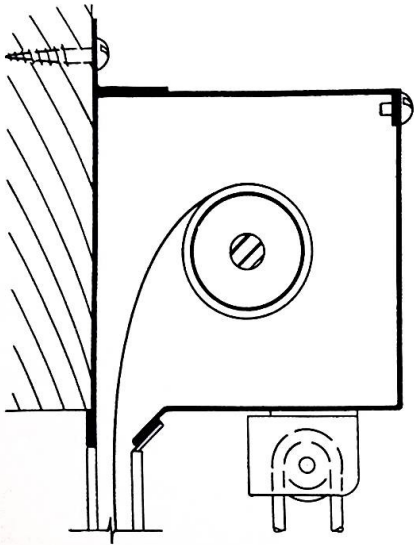


Spring operated Light Proof Shades in X-Ray Room. Shades can be raised to permit viewing of X-Ray plates.

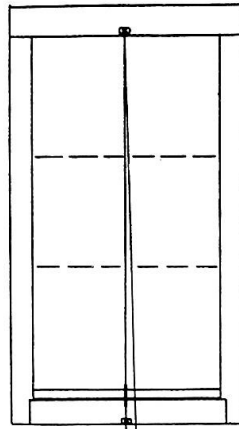
light-proof shades

INSTALLATION DETAILS SCALE 6"=1'-0"

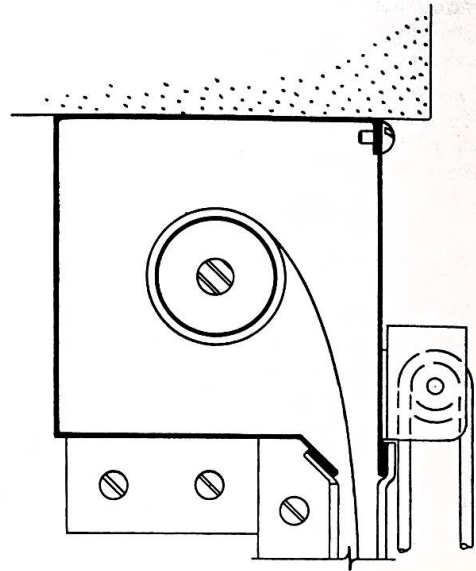
spring operated



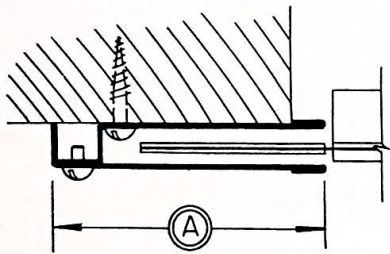
HEAD TYPE 0 & 2



ELEVATION

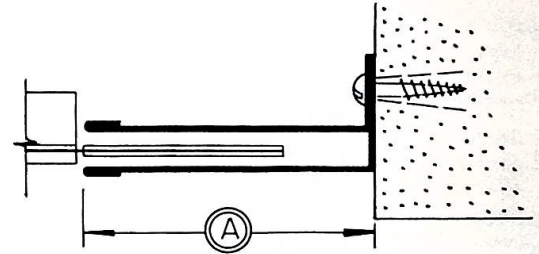


HEAD TYPE 1 & 3

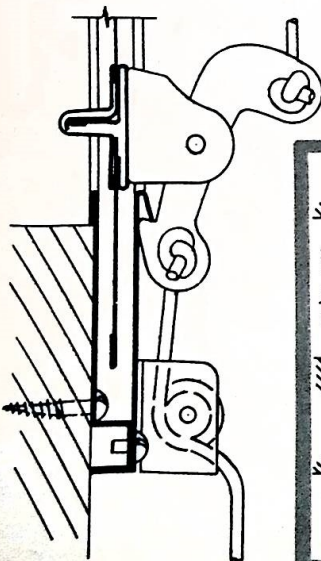


FLAT JAMB GUIDE TYPE 0 & 2

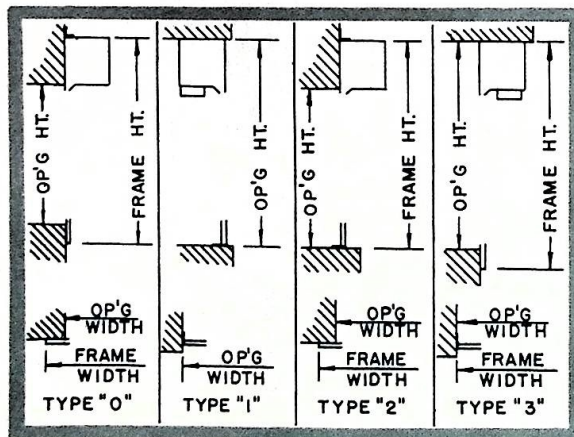
SPECIFICATIONS
BOX & GUIDES 18 GA. (.050") STEEL
TUBE SEAMLESS STEEL WITH
PIANO WIRE TENSION SPRING,
BRASS BEARINGS & TENSION
ADJUSTOR.
SHADE CLOTH KANE VINYL # 424
EXTERIOR SURFACE GREEN OR
CREAM - INTERIOR BLACK WITH
CONCEALED STEEL BRACES AT
NOT OVER 30" CENTERS.
FINISH EXTERIOR SURFACES OF
SELECTED COLOR & INTERIOR
SURFACES OF DULL BLACK.



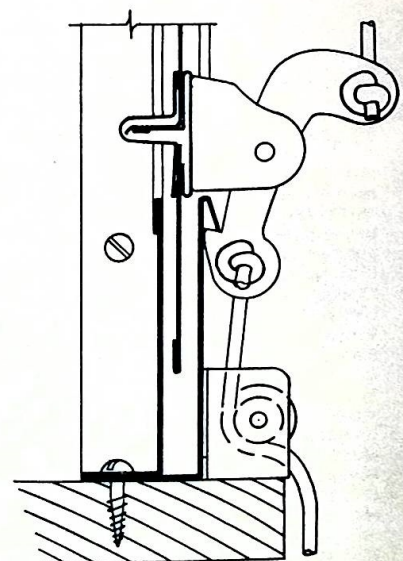
FLANGED JAMB GUIDE TYPE 1 & 3



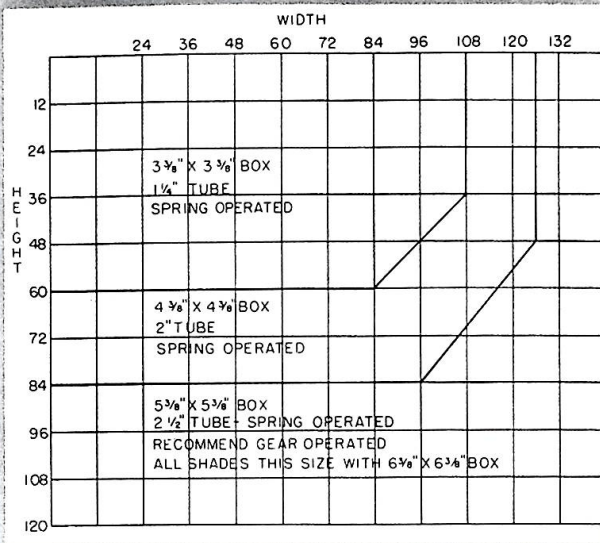
FLAT SILL GUIDE
TYPE 0 & 3



INSTALLATION TYPES



FLANGED SILL GUIDE
TYPE 1 & 2



specifications

"KANE QUALITY" LIGHT PROOF SHADES are custom built and designed for the individual opening in which installation is to be made. Each shade consists of a metal housing, spring roller mechanism, side guides, sill strip, bottom bar, braces, shade fabric, bottom bar latch and operating cord. All materials used are of the best commercial grades available.

Mechanically Operated are similar in design except that the springs are omitted from the roller and gear operators substituted.

- Housing.** The housing is accurately formed from not less than 18 gauge (.050") furniture steel, with removable front cover plate, making the roller mechanism and spring tension adjuster easily accessible. The lips of the housing over which the shade cloth operates have full returns so that a smooth rounded face will be in contact with the cloth to prevent unnecessary wear on the fabric. The over-all sizes of the housing are as shown on schedule "A".
- Roller Assembly.** The roller assembly consists of a seamless steel tubing not less than 1 1/4" in diameter with machined bronze end bearings, and extra heavy piano wire coil spring supported by 3/8" diameter steel mounting rod. The entire assembly is hung on two steel end plates which slide easily out of the housing for repair or spring adjustment.
- Guides .050".** The side guides are formed of not less than 18 gauge steel with full returns on the edges, giving smooth, rounded surfaces which will not cut or tear the fabric. The design of each guide is of a type that will provide the most satisfactory installation. The depth of the guides varies with the widths of the shades as follows:

Width of Shade

Depth of Guide

SPRING OPERATED

Up to 48" wide	3" deep
48" to 72" wide	4" deep
72" to 120" wide	5" deep
120" and over	6" deep

MECHANICALLY OPERATED

All Sizes	6" deep
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- Sill Strip.** The sill strip is formed of not less than 18 gauge steel and is in general the same design as the side guides.
- Bottom Bar.** The bottom bar consists of two interlocking .028" steel sections securely fastened to the bottom edge of the shade fabric. To the bottom edge of this bar is attached a formed steel contact strip with brass guide shoes which slide in the side guides.
- Latch.** A heavy cast brass or bronze latch is attached to the bottom to hold the contact strip in the sill strip when the shade is fully closed. This latch is attached to the bottom bar and adaptable for either cord or manual operation. Two latches per shade over 60" in width are furnished.
- Operating Cord.** If the top of the shade is over 7' from the floor, an endless No. 4 1/2 hollow braided Venetian Blind cord is fastened at the up and down.
- Braces.** 1/8" x 3/8" steel braces are sewn horizontally in the shade cloth not over 26" apart. These braces are concealed and fit into a pocket especially provided in the shade fabric.
- Shade Material.** The shade material is Kane Vinyl #424 which is a treated fabric surfaced on both sides. It is absolutely opaque, non-inflammable and remains soft and pliable under ordinary atmospheric conditions. Seams in the material are treated with a special opaque dressing. The shade fabric is attached to the roller by means of cement, and to the bottom bar by means of the tongue and groove interlocking strip. Color of the fabric is dark green on the outside and black on the inside.
- Mullion.** For openings over 120" in width, two or more shades are recommended. Where the shades join, a vertical steel mullion of not less than .050" steel is provided to attach either to the window mullion or to the head and sill of the window opening. The side guides of the light proof shades adjoining attach to this mullion.
- Finish.** All steel parts are bonderized and painted with one coat of baked-on enamel, finished with two coats of air dry lacquer, color as selected.

Typical Installations

EXECUTIVE MANSION.....	Washington, D. C.	ST. AUGUSTINE AIRPORT.....	St. Augustine, Fla.
Aluminum Screens and Doors		Aluminum Screens	
BIRD S. COLER HOSPITAL.....	Welfare Island, N. Y.	OAKWOOD BEACH POLLUTION CONTROL PROJECT.....	Staten Is., N. Y.
Aluminum Roll Screens and Doors		Aluminum Screens	
QUEEN'S GENERAL HOSPITAL.....	New York, N. Y.	JOHN HOPKINS UNIVERSITY.....	Baltimore, Md.
Bronze Screens and Aluminum Doors		Aluminum Screens	
CAPITAL ANNEX BUILDING.....	Lexington, Ky.	FORT LESLIE J. McNAIR.....	Washington, D. C.
Bronze Screens		Steel Screens	
ST. CHARLES' HOSPITAL.....	Toledo, Ohio	UNIVERSITY OF REDLAND — WOMEN'S DORMITORY.....	Redlands, Calif.
Steel Screens		Aluminum Screens	
MARICOPA HOUSING.....	Phoenix, Ariz.	ST. XAVIER COLLEGE.....	Chicago, Ill.
Steel Industrial Screen Doors		Aluminum Screen Doors	
LADD AIR FORCE BASE HOSPITAL.....	Fairbanks, Alaska	BUTTERWORTH HOSPITAL.....	Grand Rapids, Mich.
Aluminum Screens		Aluminum Screens	
BUSINESS ADMIN. BUILDING.....	Univ. of Tennessee, Knoxville, Tenn.	S. W. TREATMENT WORKS — CITY OF PHILADELPHIA.....	Philadelphia, Pa.
Light Proof Shades		Aluminum Doors	
GANSEVOORT DESTRUCTOR PLANT.....	New York, N. Y.	HARRISON COUNTY JAIL.....	Gulfport, Miss.
Bronze Screens		Steel Screens	
SAN GERMAN HOSPITAL.....	San German, Puerto Rico	LANGLEY AIR FORCE BASE — BARRACKS.....	Langley Field, Va.
Aluminum Screens		Steel Screens	
BRONX GENERAL HOSPITAL.....	Bronx, N. Y.	BROKAW HOSPITAL.....	Normal, Ill.
Extruded Aluminum Roll Screens		Aluminum Porch Screens	
NEW YORK STATE VETERINARY COLLEGE.....	Ithaca, N. Y.	NEW JERSEY TRAINING SCHOOL.....	Totowa, N. J.
Steel Roll Screens and Bronze Insect Screens		Steel Safety Screens	
WRIGHT AIR FORCE HOSPITAL.....	Dayton, Ohio	NEW JERSEY BELL TELEPHONE ACCOUNTING CENTER.....	Newark, N. J.
Steel Screens and Storm Sash		Steel Screens	
CONEY ISLAND GENERAL HOSPITAL.....	Brooklyn, N. Y.	MARYLAND STATE PENITENTIARY.....	Baltimore, Md.
Aluminum Sliding Screens		Steel Screens	
NEW YORK INFIRMARY.....	New York, N. Y.	TRIPLER GENERAL HOSPITAL.....	Oahu, Hawaii
Steel Roll Screens		Aluminum Screens	
GREEN HALL DORMITORY.....	Ft. Collins, Colo.	CULVER MILITARY ACADEMY.....	Culver, Ind.
Aluminum Shade Screens		Steel Screens	
FT. BRAGG BARRACKS.....	Ft. Bragg, N. C.	STATE HOSPITAL.....	Morgantown, N. C.
Industrial Steel Doors		Aluminum Doors	
U. S. SOLDIERS' HOME.....	Washington, D. C.	ST. MARYS HOSPITAL.....	Duluth, Minn.
Steel Screens		Aluminum Screens and Light Proof Shades	
DECONTAMINATION BUILDINGS.....	Oak Ridge, Tenn.	WESTERN ELECTRIC CO.....	Winston-Salem, N. C.
Aluminum Doors		Aluminum Shade Screens	
NORTHWESTERN GENERAL HOSPITAL.....	Ontario, Canada	WAYNE PUMP COMPANY.....	Salisbury, Md.
Light Proof Shades		Steel Screens	
INDIANA UNIVERSITY — GREEN HOUSE.....	Bloomington, Ind.	NEW ORLEANS AIRPORT.....	New Orleans, La.
Aluminum Screens		Steel Doors and Porch Screens	
MANTENO STATE HOSPITAL.....	Manteno, Ill.	CAMPBELL SOUP PROCESSING PLANT.....	Napoleon, Ohio
Steel Protection Screens		Aluminum Screens	
U. S. AIR FORCE HOSPITAL.....	Elmendorf, Alaska	INDIANA MASONIC HOME.....	Franklin, Ind.
Steel Screens		Aluminum Screens	
NEW PROVIDENCE HOSPITAL.....	Washington, D. C.	U. S. RUBBER COMPANY.....	Naugatuck, Conn.
Aluminum Projected Window Screens		Aluminum Screens	
TILLMAN COUNTY HOSPITAL.....	Frederick, Okla.	DOW CHEMICAL COMPANY, PLANT "B".....	Velasco, Tex.
Aluminum Projected Window Screens		Aluminum Screens	
GEORGE WASHINGTON HOTEL.....	Jacksonville, Fla.	MILITARY PERSONNEL RECORDS CENTER.....	St. Louis, Mo.
Bronze Screens		Aluminum Screens	
		LOUISIANA POLYTECHNIC INSTITUTE.....	Ruston, La.
		Aluminum Screens	

SPECIAL SERVICE

CONSULT OUR ENGINEERING DEPARTMENT FOR DETAILS AND RECOMMENDATIONS ON ANY SCREENING PROBLEM, SUCH AS FACTORY PIVOTED WINDOWS, SLIDING DOORS AND INDUSTRIAL STORM SASH.

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